

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number
WO 2004/112765 A1

(51) International Patent Classification⁷: **A61K 31/045**,
9/06 // A61P 31/04, A01N 31/02

(21) International Application Number:
PCT/SE2004/001001

(22) International Filing Date: 23 June 2004 (23.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0301862-9 26 June 2003 (26.06.2003) SE

(71) Applicants and

(72) Inventors: **FAERGEMANN, Jan** [DK/SE]; Apotekare-
gatan 7, S-41319 Göteborg (SE). **HEDNER, Thomas**
[SE/SE]; Intorp, S-52010 Gällstad (SE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR INHIBITING THE GROWTH OF ANTIBIOTIC-RESISTANT OF BACTERIA BY USING PEN-
TANE-1,5-DIOL

(57) Abstract: A method for inhibiting the growth of multiple-resistant bacteria comprises the topical administration of a pharma-
ceutical composition comprising 15% by weight or more of pentane-1,5-diol and a pharmaceutical acceptable carrier. Also disclosed
is a method of preparing a corresponding medicament. A method of disinfecting a surface contaminated with multiple-resistant bac-
teria comprises providing a disinfecting composition comprising 15% or more by weight of pentane-1,5-diol and an aqueous carrier,
applying the composition to the surface; optionally, keeping it in contact with the surface for a period of time from 5 min to 24
hrs at ambient temperature, and rinsing the surface with water or an aqueous detergent composition. Also disclosed is the use of a
corresponding bacteriostatic composition.



WO 2004/112765 A1

AVAILABLE COPY